

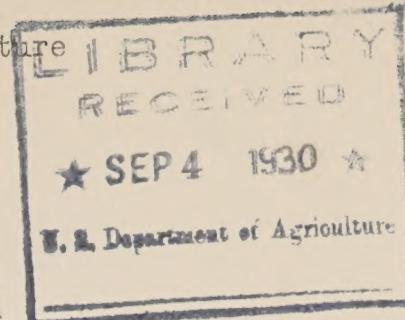
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United States Department of Agriculture  
Director of Scientific Work  
Washington, D. C.



August 1  
1930

Dr. A. F. Woods, Director of the Graduate  
School, and Members of the School Council

Gentlemen:

Following is the annual report of the Graduate  
School of the United States Department of Agriculture  
for 1929-30:

The School opened the week beginning October 21,  
1929, and the last class was held June 14, 1930.

Nineteen courses were offered and 16 conducted,  
3 having been withdrawn because of lack of demand.  
Of the 16 courses given 10 were graduate and 6 under-  
graduate courses. Of the graduate courses 5 were two-  
semester courses and 5 one-semester, and of the under-  
graduate courses 3 were two-semester courses and 3 one-  
semester. The graduate courses conducted were--

- (1) Composition and Utilization of the Soil
- (2) The Fundamentals of Chemistry
- (3) Colloid Chemistry
- (4) Control of Plant Diseases
- (5) Plant Genetics
- (6) Physiology of Plant Growth and Development
- (7) Advanced Statistical Methods
- (8) History of American Agriculture
- (9) Business Cycles in Relation to Agriculture
- (10) Prices and Price Relationships

The undergraduate courses were--

- (1) Elementary Statistical Methods
- (2) Principles of Systematic Botany
- (3) Agricultural Writing
- (4) Spanish
- (5) Russian
- (6) Second course in Elementary Statistical Methods



The courses offered but not given were---

Graduate courses:

- (1) Principles of Taxation
- (2) Economic Aspects on Weather and Agriculture.

Undergraduate course:

- (1) Scientific French.

The number of students registered this year was 331, compared with 226 in 1928-29, 218 in 1927-28, and 111 in 1926-27. Tuition in part or all was refunded to 14 students owing to absence on account of being sent to the field or illness.

Of the 10 graduate courses 5 were self-supporting and 5 had a deficit, and of the 6 undergraduate courses 4 were self-supporting and 2 had a deficit.

The following is a detailed record of each course, including title, name or names of instructors, dates of opening and termination, number and names of students registered for each semester, total tuition received for each course, amount paid to instructors, and balance or deficit:

(1) COMPOSITION AND UTILIZATION OF THE SOIL

Dr. H. E. Byers, instructor

Course opened October 23, 1929, and closed February 15, 1930. Second semester withdrawn owing to lack of time of instructor.

First semester  
7 registrants

Second semester  
6 registrants

Total tuition .....	\$195
Total salary .....	150
Balance .....	\$ 45



## (2) THE FUNDAMENTALS OF CHEMISTRY

Dr. H. E. Byers, instructor  
 Course opened October 22, 1929,  
 and closed May 23, 1930.

<u>First semester</u>	<u>Second semester</u>
11 registrants	10 registrants
Total tuition .....	\$245
Total salary .....	300
Deficit .....	\$ 55

## (3) COLLOID CHEMISTRY

Dr. M. M. Haring, instructor  
 Course opened October 21, 1929,  
 and closed May 10, 1930

<u>First semester</u>	<u>Second semester</u>
10 registrants	10 registrants
Total tuition .....	\$265
Total salary .....	300
Deficit .....	\$ 35

## (4) CONTROL OF PLANT DISEASES

Dr. M. B. Waite and 10 others  
 Course opened December 2, 1929.  
 and closed March 5, 1930

<u>First semester</u>
14 registrants
Total Tuition .....
Salaries .....
Balance .....

\$210  
150  
\$ 60



## (5) PLANT GENETICS

Dr. W. B. Kemp, instructor  
 Course opened October 21, 1929,  
 and closed February 10, 1930

<u>First semester</u>	
11 registrants	
Total Tuition .....	\$165
Salary .....	150
Balance .....	<u>\$ 15</u>

## (6) ADVANCED STATISTICAL METHODS

Mr. M. J. B. Ezekiel, instructor  
 Course opened October 22, 1929,  
 and closed May 29, 1930

<u>First semester</u>	<u>Second semester</u>
47 registrants	40 registrants
Total tuition .....	\$1,114
Total salaries .....	425
Balance .....	<u>\$ 689</u>

## (7) HISTORY OF AMERICAN AGRICULTURE

Mr. Everett E. Edwards, instructor  
 Course opened October 22, 1929,  
 and closed May 8, 1930

<u>First semester</u>	<u>Second semester</u>
10 registrants	4 registrants
Total tuition .....	\$199
Salary .....	300
Deficit .....	<u>\$101</u>



## (8) PRICES AND PRICE RELATIONSHIPS

Mr. M.J.B. Ezekiel and Mr. Warren  
 C. Waite, instructors  
 Course opened October 21, 1929,  
 and closed May 28, 1930

<u>First semester</u>	<u>Second semester</u>
16 registrants	14 registrants
Total tuition .....	\$394.50
Salaries.....	300.00
Balance .....	<u>94.50</u>

## (9) PHYSIOLOGY OF PLANT GROWTH AND DEVELOPMENT

Dr. C. C. Appleman, instructor  
 Course opened January 28, 1930.

<u>First semester</u>		
19 registrants		
Total tuition .....	\$285.00	
Salary.....	\$150	
Travel expenses.....	<u>12.99</u> .....	<u>162.99</u>
Balance .....	<u>\$122.01</u>	

## (10) BUSINESS CYCLES IN RELATION TO AGRICULTURE

Mr. L. H. Bean, instructor  
 Course opened January 29, 1930.  
 and closed June 14, 1930

<u>First semester</u>	
7 registrants	
Total tuition ,.....	\$100
Salary .....	150
Deficit .....	<u>\$ 50</u>



## (11) ELEMENTARY STATISTICAL METHODS

Mr. C. M. Purves and Mr. S. H.

Newell, instructors

Course opened October 21, 1929,  
and closed May 23, 1930First semester  
74 registrantsSecond semester  
60 registrants

Total tuition .....	\$1,686
Salaries .....	595
Balance .....	<u>\$1,091</u>

## (12) ELEMENTARY STATISTICAL METHODS,

FIRST SEMESTER, 2d COURSE

Mr. C. M. Purves, instructor

Course opened February 9, 1930,  
and closed May 22, 1930First semester  
24 registrants

Total tuition .....	\$320
Salary .....	150
Balance.....	<u>\$170</u>

## (13) PRINCIPLES OF SYSTEMATIC BOTANY

Dr. S. F. Blake, instructor

Course opened October 22, 1929,  
and closed June 5, 1930First semester  
25 registrantsSecond semester  
12 registrants

Total tuition .....	\$565
Salary .....	300
Balance .....	<u>\$265</u>



## (14) AGRICULTURAL WRITING

Mr. M. S. Risenhower et al,  
instructors

Course, opened October 22, 1929,  
and closed January 30, 1930.

First semester  
13 registrants

Total tuition .....	\$195
Salaries .....	150
Balance .....	<u>\$ 45</u>

## (15) SPANISH

Dr. C. H. Leineweber, instructor

Course opened October 22, 1929,  
and closed June 10, 1930.

First semester  
8 registrants

Second semester  
9 registrants

Total tuition .....	\$220
Salary .....	300
Deficit .....	<u>\$ 80</u>

## (16) RUSSIAN

Dr. C. H. Leineweber, instructor

Course opened February 6, 1930,  
and closed June 7, 1930.

First semester  
5 registrants

Total tuition .....	\$ 65
Salary .....	150
Deficit .....	<u>\$ 85</u>



## (17) SCIENTIFIC FRENCH

Dr. H. B. Humphrey, instructor  
Withdrawn

Total tuition.....	\$15
Salary .....	.00
Balance .....	\$15

Summarizing the foregoing, there were 301 registrants for the first semester and 165 for the second semester, or a total of 331 individual registrations.

From the 9 courses and the one withdrawn that were self-supporting there was a balance of \$2,641.51, and from the 7 courses that were not self-supporting there was a deficit of \$361.

The following is the ---

SCHOOL'S FINANCIAL STATEMENT FOR THE YEAR ENDING JULY 31, 1930

Receipts:

Balance from 1928-29 .....	\$ 2,521.64
Tuition for 1929-30 .....	5,938.50
Interest on bank deposits .....	145.63
Interest on Liberty bond .....	127.50
Mimeographed statistical lectures.....	<u>2.50</u> \$8,735.77

Expenditures:

Safety deposit box .....	\$ 6.00
Refunds .....	172.00
Blackboards .....	43.80
Treasurer's bond .....	5.00
Lectures .....	855.97
Checks returned by bank .....	30.00
Photostating .....	8.00
Mimeographing Russell lecture .....	135.00
Salaries .....	<u>4,432.99*</u> 5,688.76
Balance .....	\$3,047.01

\*This includes \$12.99 for travel.

Government bond .....	3,000.00
Total assets .....	\$6,047.01



In accordance with statement made in last year's annual report, the same questionnaire that was sent out in May, 1929, was distributed April 10, 1930, to the 226 students of 1928-29. The following is a summary of the data brought together from the replies:

Number of replies received .....	129
Bureau Agricultural Economics .....	33
Bureau of Plant Industry .....	22
Bureau Chemistry and Soils .....	12
Bureau of Animal Industry .....	7
Treasury Department .....	6
Bureau of Home Economics .....	5
Bureau of Public Roads .....	4
Forest Service .....	4
Bureau of Entomology .....	4
Washington, D. C. ....	4
Robert Brookings Institute .....	3
Federal Farm Board .....	3
Office of Experiment Stations ....	3
Department of the Interior .....	3
Department of Labor .....	2
Tariff Commission .....	2
Office of Information .....	1
Bureau of Dairy Industry .....	1
Extension Service .....	1
Library of Department .....	1
Bureau of Biological Survey .....	1
Food, Drug, and Insect. Adm. ....	1
Grain Futures Adm. ....	1
Plant Quarantine and Con. Adm. ...	1
Department of Commerce .....	1
National Museum .....	1
Wyoming .....	1
Resigned from Agr. Economics .....	<u>1</u> 129

The following is a summary compiled from the returns from the questionnaire:

Question	Yes	No	Per- haps	Unans- wered	To- tal
Have you derived any benefit from the course or courses from the standpoint of--					
(1) Increased efficiency..	97	19	1	12	129
(2) Advanced work.....	20	68		41	129
(3) Increased salary .....	19	67		43	129
(4) Other benefits .....	29			100	129

Have you applied for and re-  
ceived credit from any col-



Question	Yes	No	Per- haps	Unans- wered	To- tal
lege or university for the course or courses taken .....	4	92	11	22	129
Comments regarding value of school or suggestions regarding courses or both.....	78			81	129
Institutions in which credits were filed:					
Georgetown University School of Foreign Service ....					1
American University .....					2
George Washington University .....					$\frac{1}{4}$

## Degrees toward which credits apply:

ph. D. ....	1
M. A. ....	2
M. S. ....	$\frac{1}{4}$

Practically all the comments offered regarding the school testified to its excellent character.

The questionnaires returned are being filed as part of the permanent record of the School.

This year, as was done last year and will be done in the future, each Chief of Bureau in which the registrants are employed was furnished with a card for each member of his force taking one or more courses, giving the title of the course or courses taken and the grade received.

As a further record of the work of the secretary during the year 1929-30 it may be said that--

The number of announcements prepared was .....	4
The number of announcements distributed was about .....	10,000
Number of articles prepared for the press, about .....	6 to 8
Number of cards made out to show name and address of student, course taken, amounts and dates of tu- ition paid, and grade .....	331
Receipts for tuition .....	512
Letters received .....	302
Letters written .....	510
Certificates furnished .....	46
Number of pamphlets containing 4 lectures distributed .....	275

Yours very truly,

Nellie E. Fealy,

Administrative Assistant  
and Secretary of School.

